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**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5847 (1970): Pin Chuck for Introducing Steinman Pins  
[MHD 2: Orthopaedic Instruments, Implants and Accessories]

**“ज्ञान से एक नये भारत का निर्माण”**

Satyanaaran Gangaram Pitroda

“Invent a New India Using Knowledge”



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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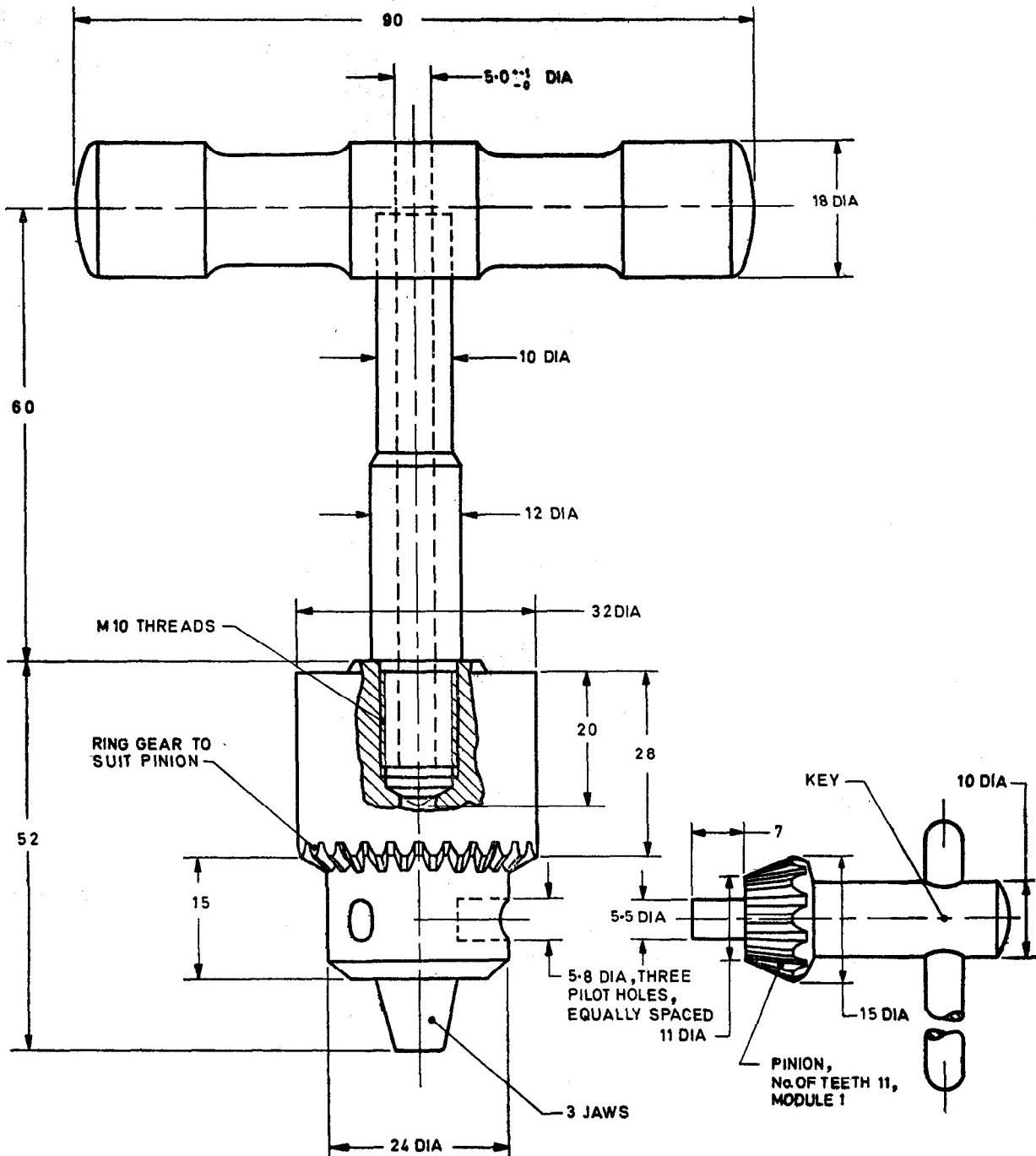


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*Indian Standard*  
**SPECIFICATION FOR  
PIN CHUCK FOR INTRODUCING STEINMAN PINS**

- 1. Scope** — Dimensions and other requirements for pin chuck for introducing Steinman pins in the bone.
  - 2. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

**FIG. 1 PIN CHUCK**

Adopted 30 September 1970

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## ~~Revised Prayer~~

**3. Material** — The body and components shall be made from carbon steel having minimum 0·45 percent carbon and the jaws from a suitable grade of wear-resistant steel properly heat-treated to give a hardness of 550 to 680 HV on the gripping portions.

**4. Workmanship and Finish** — The teeth and threads, wherever provided, shall be neat and clean. The surfaces of the jaws, body and handle shall be free from cracks, draw marks, burrs, pits and other defects. The pilot holes in the body of the chuck shall lie on a common peripheral centre line. The position of the centre line with reference to the ring gear shall be such that full engagement is assured between the teeth of the pinion on the key and those of the ring gear. All the keys produced shall be interchangeable. The chuck and the handle shall be cannulated to receive the Steinman pin. The two holes shall be co-axial. The handle end of the chuck shall be plated chromium over nickel in accordance with Service Grade No. 2 of IS : 1068-1968 ' Specification for electroplated coatings of nickel and chromium on iron and steel (first revision)'.

**5. Test for Grip on Pin** — The chuck end of a Steinman pin shall be gripped by the chuck and the other end in a suitable vice. The handle of the chuck shall be twisted half round and then pulled by hand. The jaws of the chuck shall not slip the Steinman pin.

**6. Marking** — The chuck shall be marked with the name or trade-mark of the manufacturer on its body.

**6.1 ISI Certification Marking** — Details available from the Indian Standards Institution, New Delhi 1.

**7. Packing** — As agreed to between the purchaser and the supplier.